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OM protein - protein search using SW model

Run on: April 24 2002 09:33:53 Search time for all sequences (without alignments) 177.715 Million CPU updates/sec

Title: US-09-525-998a-2_COPY_41_201

Perfect scores: 941

Sequence: 1 FSWPCKKYYHPCNNSTPT CSNWKSTPPTKTLQPTFN 161

Scoring tables: HUSUM62 CSNWKSTPPTKTLQPTFN 161

Gap: 10.0, Gapext: 0.5

Searched: 219241 seqs, 76174552 residues

Total number of hits satisfying chosen parameters: 219241

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: 1: PIR:681*
2: PIR:111*
3: PIR:112*
4: PIR:113*
5: PIR:114*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	941	100.0	455	1 GQH011	tumor necrosis fac
2	715.5	75.1	451	2 G24202	tumor necrosis fac
3	680	72.1	454	1 GQMC11	tumor necrosis fac
4	669	71.1	451	1 GQRT11	tumor necrosis fac
5	187.5	13.0	445	2 T54182	tumor necrosis fac
6	182.5	13.4	427	1 GQHDN	tumor necrosis fac
7	181	13.2	474	2 H46634	tumor necrosis fac
8	179.5	13.1	325	1 GQV6M1	12 protein - myom
9	174	13.7	325	2 H46692	12 protein - myom
10	175.5	18.8	425	1 A74451	nerve growth facto
11	176	18.7	459	2 I44854	nerve growth facto
12	167.5	17.8	326	2 A44376	gene murine tumor
13	166.5	17.7	348	2 D72175	B cell-associated
14	164	17.4	348	2 I28623	G2H protein - vari
15	164	17.4	319	2 G46858	hypothetical prote
16	162.5	17.4	327	2 A44484	non G4H protein
17	161	17.1	461	1 A45356	apoptosis-mediatin
18	147.5	15.7	677	2 G12125	tumor necrosis fac
19	147	15.6	624	2 G52395	trypsinogen cys1
20	145	15.4	419	2 A46006	fas antigen precu
21	141	15.0	414	2 A14144	nerve growth facto
22	139.5	14.8	260	1 A14053	furin (EC 3.4.21.7
23	139.5	14.8	260	1 A45517	CD27 antigen precu
24	139.5	14.8	277	2 A45721	B cell activation
25	134	14.2	339	2 G1583	strife proteinase
26	132	14.0	321	2 G24128	subtilisin-like pr
27	132	14.0	316	2 G24128	subtilisin-like pr
28	131.5	14.0	272	2 I44700	gene OX40 protein
29	130.5	13.9	314	2 I47393	FAS soluble protei

ALIGNMENTS

RESULT 1
GQH011
tumor necrosis factor receptor 1 precursor [validated] - human
M:Alternate names: p55 tumor necrosis factor receptor; TNF receptor type 1
M:Contains: tumor necrosis factor alpha inhibitor; tumor necrosis factor bin
C:Species: Homo sapiens (man)
C:Date: 30 Jun 1992 *Sequence revision 30-Jun-1992 *Context change 08-Nov-2000
C:Accession: A38208; A38899; A34900; A36555; A10281; S12077; 2107546; 60231;
R:Fuchs, P.; Strehl, S.; Dvorak, M.; Himmeler, A.; Ambros, P.F.
Genomics 13, 219-224, 1992
A:Title: Structure of the human TNF receptor 1 (p50) gene (TNFR1) and localization to
A:Reference number: A38208; MIMD:92250049
A:Accession: A38208
A:Molecule type: DNA
A:Residues: 1-455 <LOC>
A:Cross-references: GR-M5864; GR-M7565; GE-M7566; NID-g339748; PIRN:AAA61201.1; P
R:Loetscher, H.; Fan, Y.C.E.; Lahn, H.W.; Gentz, R.; Brockhaus, M.; Tachibana, H.; Less
Cell 61, 351-359, 1990
A:Title: Molecular cloning and expression of the human 55 kd tumor necrosis factor re
A:Reference number: A34899; MIMD:50235284
A:Accession: A34899
A:Molecule type: mRNA
A:Residues: 1-455 <LOC>
A:Cross-references: GR-M58286; GR-M33480; NID-g339753; PIRN:AAA36753.1; PIR:g339754
A:Experimental source: Placenta
A:Note: part of this sequence, including the amino end of the mature protein, confirm
R:Schall, T.J.; Lewis, M.; Koller, K.J.; Lee, A.; Rice, G.C.; Wigg, G.H.W.; Galanate,
Cell 61, 361-370, 1990
A:Title: Molecular cloning and expression of a receptor for human tumor necrosis fact
A:Reference number: A49000; MIMD:90235285
A:Accession: A34900
A:Molecule type: mRNA
A:Residues: 1-455 <SCB>
A:Cross-references: GR-M33294; NID-g339744; PIRN:AAA03210.1; PIR:g449745
R:Himmeler, A.; Maurer Fogy, T.; Kronke, M.; Schweinlich, P.; Pflanzmader, K.; Lant, M
DNA Cell Biol. 9, 705-715, 1990
A:Title: Molecular cloning and expression of human and rat tumor necrosis factor rece
A:Reference number: A30555; MIMD:9109041
A:Accession: A36555
A:Molecule type: mRNA
A:Residues: 1-455 <HIM>
A:Cross-references: GR-M6121; NID-g339755; PIRN:AAA36754.1; PIR:g339756
A:Accession: G36555
A:Molecule type: protein
A:Residues: 30-364 53.7X, 55.79, XX, 82.94, NF, XX, 190-194, 197-198, 199, 197, XX, 16
R:Nguyen, T.; Barrett, K.; Chantry, D.; Turner, M.; Feldmann, M.
Proc Natl Acad Sci U S A. 87, 7380-7384, 1990
A:Title: Cloning of human tumor necrosis factor (TNF) receptor cDNA and expression of
A:Reference number: A38281; MIMD:91017509
A:Accession: A38281
A:Molecule type: mRNA
apoptosis-mediatin
CD28 antigen precu
hypothetical prote
probable laminin a
OX40 antigen precu
probable transcrip
furin (EC 3.4.21.7
furin (EC 3.4.21.7
trypsinogen cys1
OX40 homology - hum
masking protein pr
four and a half tr
subtilisin-like pr
notch-3 protein - b
notch3 protein - b
laminin beta-1 cha

A:Residues: 1-455 <GRN>
 A:Cross-References: GB:M47764
 A:Note: The authors translated the cDNA from 153 to residue 371 as the AAC for residue 372 is a stop codon. The authors translated the cDNA from 153 to residue 371 as the AAC for residue 372 is a stop codon.
 A:Author: Y. Kikuchi, O. Hakedauchi, C. Engelmann, H. Taniyama, P. Adachi, D. Holtmann, I. Hori, J. 3259-3278, 1990
 A:Title: Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type I is in the receptor.
 A:Reference number: S12057; MIMD:9106021
 A:Accession: S12057
 A:Molecule type: mRNA
 A:Residues: 1-455 <GRN>
 A:Cross-References: EMBL:X55313; MIMD:937223; FIDR:GNA39021.1; PID:937224
 A:Note: parts of soluble TNF binding protein 1, including its amino and carboxyl ends, were cloned from a cDNA library.
 A:Author: O. Wallach, D. 1993
 A:Title: Cloning and partial characterization of the promoter for the human p55 tumor necrosis factor receptor.
 A:Reference number: J0758; MIMD:9408579
 A:Accession: J0758
 A:Molecule type: DNA
 A:Residues: 1-13 <KEM>
 A:Sequence: 1-13 <KEM>
 A:Author: J. Immunol. 205, 1167-1174, 1990
 A:Title: Tumor necrosis factor inhibitor: purification, NH-2 terminal amino acid sequence, and characterization of an inhibitor (soluble tumor necrosis factor inhibitor).
 A:Reference number: A60231; MIMD:90292116
 A:Accession: A60231
 A:Molecule type: protein
 A:Residues: 41-43, 45-53, 55-57, 59-61, 63-65, 67-69, 71-73, 75-77, 79-81, 83-85, 87-89, 91-93, 95-97, 99-101, 103-105, 107-109, 111-113, 115-117, 119-121, 123-125, 127-129, 131-133, 135-137, 139-141, 143-145, 147-149, 151-153, 155-157, 159-161, 163-165, 167-169, 171-173, 175-177, 179-181, 183-185, 187-189, 191-193, 195-197, 199-201, 203-205, 207-209, 211-213, 215-217, 219-221, 223-225, 227-229, 231-233, 235-237, 239-241, 243-245, 247-249, 251-253, 255-257, 259-261, 263-265, 267-269, 271-273, 275-277, 279-281, 283-285, 287-289, 291-293, 295-297, 299-301, 303-305, 307-309, 311-313, 315-317, 319-321, 323-325, 327-329, 331-333, 335-337, 339-341, 343-345, 347-349, 351-353, 355-357, 359-361, 363-365, 367-369, 371-373, 375-377, 379-381, 383-385, 387-389, 391-393, 395-397, 399-401, 403-405, 407-409, 411-413, 415-417, 419-421, 423-425, 427-429, 431-433, 435-437, 439-441, 443-445, 447-449, 451-453, 455-457, 459-461, 463-465, 467-469, 471-473, 475-477, 479-481, 483-485, 487-489, 491-493, 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